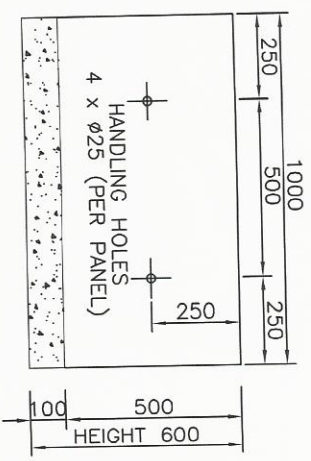


DRAIN SECTION.

SCALE 1 : 20



SECTION. PANEL LAYOUT.

SCALE 1 : 20

- PRECAST CONCRETE DRAINAGE CHANNELS**
1. CONCRETE CUBE STRENGTH TO BE 25 MPa AT 28 DAYS
 2. WELDED MESH REINFORCEMENT.
 - RECTANGULAR MESH REF. 433
 - HORIZONTAL BARS $\phi 7.1\text{mm}$
 - VERTICAL BARS $\phi 6.3\text{mm}$
 - VERTICAL BARS ON SIDES @ 100mm SPACING
 - HORIZONTAL BARS ON SIDES @ 200mm SPACING
 - 30mm COVER FROM OUTSIDE FACE
 3. CONCRETE TO HAVE STEEL SHUTTER FINISH
 4. THIS DESIGN IS NOT TO BE BUILT WITHIN 5km OF THE COAST
 5. QUANTITIES.
 - REF. 433 MESH - 6.5kg/panel
 - REF. 433 MESH - 1.594m x 0.940m = 1.498m²
 - CONCRETE 384kg/panel (0.160m³)
 - MASS PER PANEL 391kg
 6. JOINTS TO BE AS SMALL AS POSSIBLE AND SEALED INTERNALLY WITH PROSTRUCT DYNAMIC NT AS PER MANUFACTURERS SPECIFICATION.

SCALE : N T S A4

W/SIG AMEND	DESCRIPTION	PARAF INITIAL	DATUM DATE
1	PRECAST CONCRETE DRAIN DETAILS ADJUSTED FOR TENDER PURPOSES.	D.A.	2005-3-31
2	SUB-SOIL DRAIN ADDED.	D.A.	2005-5-23
3	BEDDING & GROUT ADDED	D.A.	2005-11-7
4	JOB SPEC CHANGED.	D.A.	2006-01-30
5	BED MATERIAL CHANGED (30 TO 80mm)	D.A.	2006-11-24

VRVREID-RICHARDS BAY
 COALLINE REHABILITATION
 LENJANEDRIFT LINE 2
 COMBINED
 PRECAST & SUB-SOIL
 DRAIN DETAILS.



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PROJECT NUMBER	BLI	FBS	DIS	TYPE	DRG. NO.	SHT	REV.	ID
4421498	3	000	C-LA	1018	01	01	TTD	

DESIGNED

D. Atkins

J. Smuts

2010-04-23

REF4421498-C-LA-1018-01

